

Okoboji 1916
Okoboji 1918
Woodbine "
Omaha "
Waverly "
Olin "
Weston "
Pella "
Ames-Chelsea "
Pittsburgh "
Dunes Park, "
Chester "
Independence "
Downey "
Okoboji I "

8 packages

1916

Keboe - left 29th Friday
left at 7³⁰ AM for
Cedar Rapids, with
Mr. Rogers.

Sept. 30 Sat. 1916

Reached Minn. Ind
at about 8:30 AM, took
a single horse from
Decibear's livery.

He charged me \$2.00 per day.
The day was wet &
windy.

We started to cross
draw bridge & the
followed lake line
north.

Started along E. side of
E. Oshkosh at 9 a.m.
stopped at first large
creek & noted bedrock
mounds & diatoma on E.
side of road, & then west
side.

Red oak 1 1/2 ft. in
^{breast high} diam & stands on bench
above bank. It is
surrounded by smaller
trees, Tilia, Ostoya, &
smaller oaks.

Tulip leaves - (a) from
lower part & (b) from
upper.

Washed acorn 1 - Probab.
they are brown.

Red oak 2 - no narrow
acorns. It is near
1, one-sided because of
it, & 9- in in diam
leaves 2 (a) are from

lower part & 2 (b) from upper.

Red Oak no 3 is still on
bench, but near where gentle
slope begins to lake -

S. of creek

It is 20 in. in diam &
is more or less isolated
much of this has been
thinned out.

Across small.

3 (a) are lower lvs.

3 (b) are upper

Lower lvs. here also exposed
as no trees near.

Drove to Warner's Chapel

Photo 33, 34 - Looking E across
Prairie Lake.

Photo 35 - N. end of Prairie Lake
along N. - Muskrat house

Photo 36 - S. end Prairie Lake
(& N. N. - Warner's Chapel)

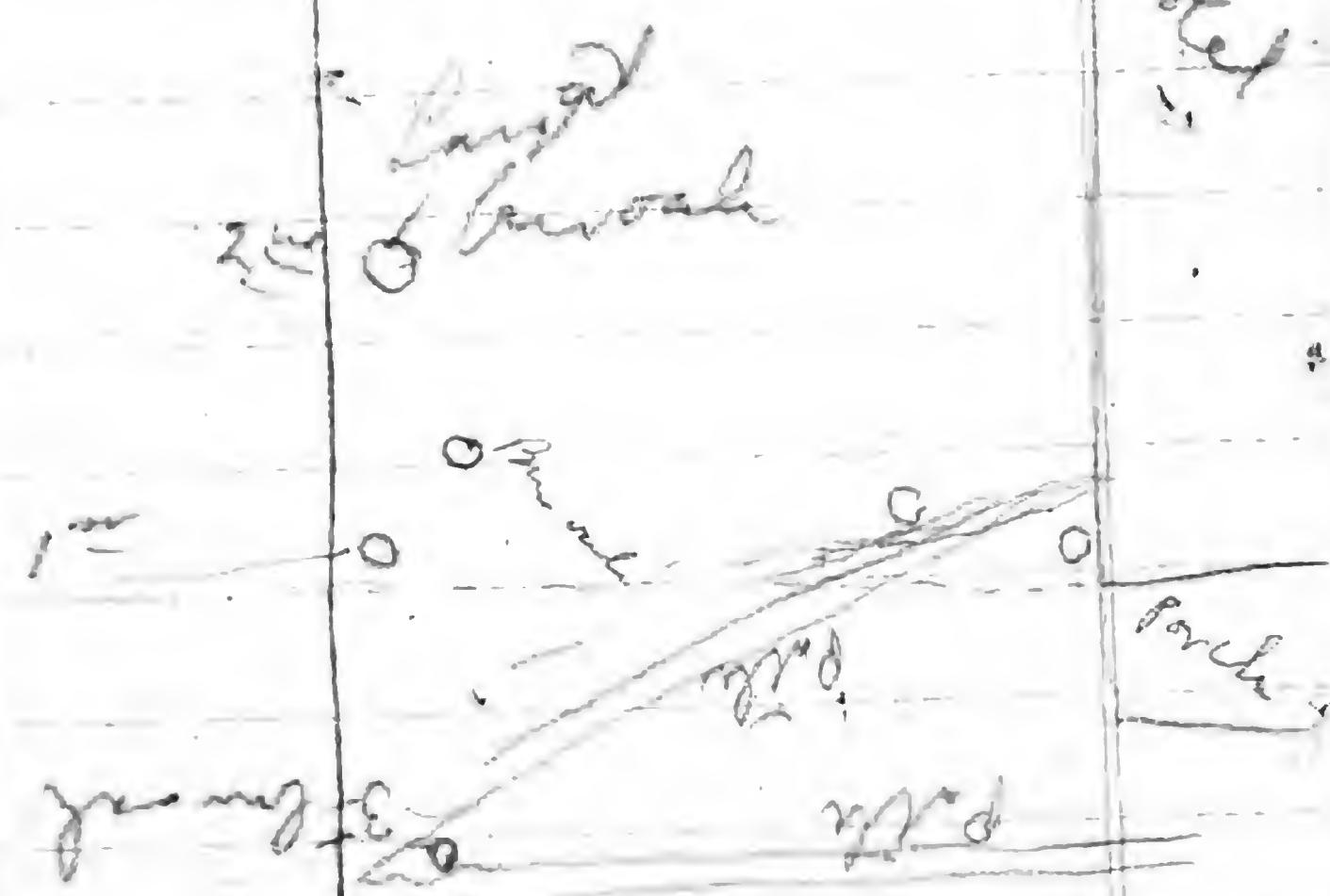
Photo 37 - Clusters of trees N.E.
of 2 - see esp. 3 of them and 99-36.
Haystacks E. of N. 2 bottle holes

Drove on to Arnold
Park

Red Oak no. 4 in
in front of 25 steps
west of first N & S road
W. of upper Garbage &
on N side of E & W.
road.

Diam. 219 in off

Beach



Put up house for
feed & walked to Rivers
Beach, now abandoned.
Returned to house &
drove to Jerome Park.
Found Plumbeous only
in one Prairie virginian
And plenty of Amelanchier
& some flowered stages of
Plumbago (Col.) but
none blooming.
Very sparse this year.
The Jerome Park land
is dead & brown.
Drove to laboratory
put house in Lexington then
& spent up evening
With mother & following
meals at Livingston.
Slept in my old room
in college.

Oct. 1, 1916 - Sunday.

Arose at 6³⁰, but did not get started until 7⁴⁵.

We drove west 1^{1/2} mi from Millcreek & then S. I cleared some mesquites.

Everything is bare, but *Aira multiflora*, *Rhus laevis*, *Aster sericeus* & *Gentiana fremontii* were at thin best.

All over the landscape the native fedges in gravelly ridges & slopes showed the end of *Cordyline*.

From hillside by E. of bridge & up the banks for mosses etc.

The south slope of the valley is mostly,

chiefly with Green Ash, Box elder, *Ostrya* & Basswood. *Salix cordata var. missouriensis* is everywhere in clumps in the bags.

Collected lichen & *Dendromus* on basswood & mosses on banks & rocks. Also low shrubs under sticks.

Then collected lichen & *Crassula* on *Salix cordata*, var.

One salix has very narrow leaves (see specimen).

Saw a water thrush (in the morning great flocks of marsh wrens from Spirit Lake where they are said to roost on water. They scatter over fields in thousands of them.

✓ Photo 7, taking up Boy creek to left - In worn, broken, green ash, box elder

✓ Photo 8 - Clump of broken cordata in big grass, etc., Phragmites common.

Plots 9 & 10 - herding up
Bog neck - further away.
Clump of willow at
right in fore & no. 8

Crossed little Sioux
to E. side & looked at
prairie slopes - Saw
Dr. Castilleja miniata
" *Prasina*
" *Helinanthus scaberrimus*
Aster sericeus
Gambieria pubescens
fr. *Bontelia hispida*
fr. *Cirsium punctatum*
Solidago nemoralis

Collected lichen, etc., in
willow grove S. of E. & W.
road & just E. of Hwy 5.
roads down which I came
Returned after 2 P.M.,
took dinner & went to
Miller Hotel dock to
look for Prairie Beddin
McKinney was with us.
Found flowers all through
Plant very little.
Wheeler & Goss Pt. Found
wolffia still very
common in Dickinson
Slough.

Collected a Chrysanthemum in
canal.

Heated stove most
of afternoon, but it
did not amount to
much even at night.
Crossed plants &
retired about 11 P.M.

Oct. 2, 1916 - Monday

Rogers went to camp, I headed
& collected materials. Started at
Plot 5 - looking S. at
High hole bay.

Plot 6 - looking down

other 3

Plot 9 - Dunes of
Spirit Lake (dry)
looking N.)

Plot 10 - looking E. along

Spirit Lake beach

Plot 11 - looking west,
Ocean bent

Plot 24 - looking W.

Plot 7 - W. of Harbor
Spirit Lake
From dock

Plot 8 - Rock - look E. along

Plot 31 - Sill - up E. Roby

Plot 22 - Beach & Roby
looking E.

Afternoon cloudy.
Returned at 5³⁰, put
up at The Antlers
Hotel.

{ 1 pm. & drove N. across
head of lake.

My *Cypripedium* were
all cut.

Stopped at head of lake
& found some *Utricularia*
with big terminal ones, -
no fly or fruit.

Then drove to Emerson
Bay & found stuff in
little canal all dead.

Drove E. or down S. of
Center Lake. Took this
where my peculiar *Cataglyphis*
maracaibana grew there
in a house!

Reached Spirit Lake
at 3³⁰ & supper
two baskets, beans &
drygo.

Took Rogers to depot, & then
drove to Orleans.

Took photos.

Oct. 3, 1916 - Tues.

Left St. Louis for
Ottawa, via Henderson
& Mattoon.

Day clear, but
windy. Slept, etc.

Cleaned slides, etc.

Expense

Sep. 29. To Cedar Rapids .50
to Springfield 4.54
Knife ^{.75} _{.50} 1.00
Horse-fare - Amherst Park .15

Oct. 2 - Mrs. Livingston 12 meals 3.60

Horse fare 1.10
Expense dredge .35
1. Papers, water ^{.25} 1.60

Taxes, Seiber, 3 days 6.00

Oct. 3 - Hotel - room, bath ^{.25} 1.50

Pressing arms .75

R.R. to Ottawa 4.11

Bus .25

Dinner, gas, etc. .65

Breakfast, flower .50

25.65

.25

25.60

8.83

34.43

2.12

32.30

R.R. etc & Iowa City

235²³ 235² 7.83
7.05 4.70 5.70
7.78 2.13
7.73 + 6.00

		.36 288
	Account - May 10-14, - 1918	
May 10 -	Car fare to Cedar Rapids	.65
	R.R. to Spirit Lake (4.84)	4.48
	Sleeper " (1.65)	1.50
May 11 -	Breakfast en route	.80
	Geo Miller - taxi to Lab. ^(Miford)	3.00
May 12.	Dept Livingston - auto	1.00
" 13.	Antlers Hotel, Spirit Lake	1.00
	RR. to Rockwell City	1.64
	Dinner Grand Hotel "	.60
	RR. to Woodbine	1.50
	RR. to Council Bluffs.	.72
May 14	RR. to Cedar Rapids	
	Sleeper (Tourist)	1.15
	(RR. to Denver City)	5.26
	Breakfast, St. Cedar Rapids	.35
		<u>27.15</u>
		<u>3.30</u>
		<u>23.85</u>
		.65 4.48 1.50 .80 3.00 1.00 1.00 1.64 .60 1.50 .72 2.10 .72 1.15 .35 8.76 27.15 5.26 3.30
		263 3/3 7.89 87 876 263 2 5.26 8.76 5.26 3.30

Okoboji, Woodbine, etc.

May 10-1918 - Friday

Left at 9⁴⁵ P.M. for Cedar Rapids
Fork sleeper.

May 11-1918 Saturday

Awakened at Gratiotagon

Things still look like early spring.
Leaves on trees very small. But others
in flower.

Along prairie beyond Estherville
I noticed in flower:

<u>Emmet Co</u>	<u>Oxalis violacea</u>	Rather common
	<u>Lithophragma canescens</u>	Common
	<u>Taraxacum</u>	Few
	<u>Lithophragma glabratum</u>	Few
	<u>Viola pedatifida</u>	Common
	<u>Astragalus canadensis</u>	Common
	<u>Castilleja pallida</u>	Few
	<u>Burmannia</u>	Local
	<u>Antennaria</u>	Small
	<u>Antennaria</u>	Small
	<u>Pediomelum canescens</u>	Few
	<u>Zygia occidentalis</u>	Few
	<u>Thlaspi glaucum</u>	Few
	<u>Gaura cespitosa</u>	Few
all these west to top of ridge.		

Dickinson Co.

Towards Superior, & beyond, to
Orleans, the following:

<u>Lithophragma canescens</u>	- Common
<u>Ranunculus fascicularis</u>	^{Colts}
<u>Astragalus canadensis</u>	Common
<u>Anemone patens</u>	Common
<u>Zizia aurea</u>	Few
<u>Pedicularis canadensis</u>	Very common
<u>Cassia</u>	Locality
<u>Viola pedatifida</u>	Common
<u>Isotoma gracilis</u>	(again near Superior)
<u>Comandra</u>	" (Spirit Lake) Beyond
	Local
<u>Antennaria neglecta</u>	"
<u>Oxalis violacea</u>	"
<u>Agoseris</u>	Few
(In pond Ranunculus peltatus)	
<u>Ranunculus formosissimus</u>	Local
<u>Sericea</u>	"
<u>Polygonum americanum</u>	Near Orleans. One

Reached Spirit Lake at 8 a.m.

Arranged with Miller to take
me to the Lab.

Visited Gherts.

Found ngle. in fair shape,
but it seems to be running
down now, though not as bad
as last year.

Found *Dicentra* in ^{the} valley under
prairie-house, and on the
prairie N. of Marin City.

Pedicularis canadensis

Viola delphinioides

~~Antennaria~~

Oreohis vistacae

at Rock. the little Carex

Osmophylax was in London

Livingstonia var. ~~the-a~~

piece of their garden, about
about 25 x 56 ft.

This was followed and cleared out.

In evening saw "The Great
Ziegfeld" Berlin and Wilford.
Had to bed at 11³⁰.

May 12, 1918 - Sunday.
Worked in the garden all day. Planted following:

The bur oaks are mostly in flowers, but the tree just N. of Evers' with tree is only in bud, with a little Gravel or two with small leaves.

After finishing garden work, I was taken to Spirit Lake by Mr. & Mrs. "Diphi" Livingston. Spent the night at the Cutters Hotel.

May 13, 1918 - Monday
Left at 5:45 AM. for Rockwell City. Took dinner at Grand Hotel in Rockwell City.
Left Rockwell City via Lee County at about 12:45 PM. for Woodbine.

Met Mrs. John Hammie on train. Reached Woodbine after 3 PM. met Mr. Johnson, etc.

Collected fine Gymnosporangium on a Cedar tree in town. Everything seems to be backward because of dry spell.

Ran in wood in evening, and spoke.

Spent night (with Mr. Henderson) at Mrs. & Mrs. Durfee (?)

May 14, 1918 - Tues.
Left at 7³⁶ AM. and reached Council Bluffs at 8⁴⁵. Took interurban to Omaha.
Picked up at the Paxton & went to Temple.

Met many Star members, & attended day & evening

session. We were formally presented about 10 & 20
Twenty down Grand Haven
were present.

Left at 9 AM for
Cornell Bluffs &
Cedars Reserve.

May 17 - Friday
attended County
Commissioner at Waverly
but storm prevented me
from getting out.

This was for Miss May
Francis, Co. Sup't.

May 21, 1918 Tues.

Went to Alton, Ia. to
talk to Herring & E. Stevens
loyalty meeting.

Wandered around, went west
along Rd & picked up
prairie flowers

Antennaria - com.

Dodecatheon - fern

Lithophragma canescens several

Phragmites - common

Hypoxis hirsutus common

Bluesteed grass "

Ranunculus Eschscholtzii (or prairie
com.)

Potentilla canadensis com.

Vicia hastata "

" pedatifida "

" circulifolia (?) "

Pedicularis canadensis Lodd.

Fragaria virginiana com.

Poa pratensis "

" compressa "

Tragopogon dubius Bellidifl.

Rumex acetosella com.

Hedysarum hispidum com.

Saxifraga pensylvanica (com)

May 22-1918

went out and along

RR & found:

Tradescantia ovata com.

Sisyrinchium leporinum com.

Anemone pennsylvanica com.

All in flower & all collected.

Account - Winterset, Pella, Cedar

May 23. Iowa City - Taxi.	8.25
R.R. to Des Moines	2.61
Sleeper	1.65
R.R. to Winterset	.76
May 24 Arcade Hotel "	1.75
R.R. to Pella	1.79
Bus. Carlisle to Clarkson	.25
R.R. to Des Moines	.22
Parcel delivery	.20
Telephone - Pella	.35
Dinner - Des Moines	.75
R.R. & Howell ^{valubk}	.84
Supper - Des Moines	.60
May 25. Cab ¹⁵ , R.R. to Des Moines 1.19	
R.R. to Ames	.79
R.R. to Cedar	1.45
Dinner at Ames	.40
R.R. home	1.88
	<u>617.73</u>
	9.8

Gibson

May 23-1918 - Thurs.

Left Iowa City at 12³⁰ AM.
Slept until 5³⁰ AM.
Left Des Moines at 6¹⁵ for
Winterset. Arrived at 8¹⁵
& went to the Arcade Hotel.
Our train met conductor
who used to go to the
Academy, with Senator
Kerryon. He lives at
Valley Junction. Is on O.E. 3
Lander at 8¹⁵ AM & went to
the Arcade Hotel.

Called on Arthur Gibson
at the post office & visited with
him most of forenoon, & took
dinner with him.

Then he took me to the
Backbone. Woods had
been burned over. *Polygonum*
alboleucum was very abundant.
Collected a woods plant &
prairie plants on top of the

ridge. Following were
collected:

Woods (cliff on top)

Viburnum dentatum

Lonicera

Agastache

Woods (deep down)

Geranium maculatum

Polygonum affine (fr.)

(Dicentra spectabilis - var. sp.)

(*Sanguinaria* - sp. n.)

(*Aralia nudicaulis* L. ex Willd.)

(*Urtica dioica* L. & H.)

Hyperbella virginiana

" *monilifera*

Ranunculus esculentus (?)

Botrychium virginianum

(*Cystopteris fragilis* - var. sp.)

Castaena magalodes

Smilax

Prairie.

Arabis drummondii - bud.

Lithophragma canescens

Sisyrinchium -

Ceanothus ovatus -

5 *Carex sempervirens* - fr.

" *fistulosa* - fr.

Poa -

Astragalus corynoides 1 fl. other fr.

Lupine (?) in bud.

10 *Oxalis violacea*

Delphinium - (bud)

Comandra umbellata -

Pentstemon parvulus -

Eriogonum canescens -

15 *Iridaea integrifolia* -

Took supper at Gordon. We were caught in rain.

Gave my address in the evening. Played.

Met Mr. Gibson in real estate business. He was born in Johnson with the fine (or just over) in his name. Related to Secrest, etc. Knob Bob Graham well - best friend.

May 24, 1918. Friday.

Rained.

Left at 8²⁵ Am. A freight truck at Cascade stopped us and I took taxi across to Clarkson & took C.P.R. train to Des Moines.

Found Me in Army after awhile at station. Spent afternoon with the Belgian soldier

were in Des Moines a fine, good-natured fellow, with nice frank ways. Talked to one sergeant, who could speak Russian & Polish a little.

Left at 5 P.M. on Washburn for Howell, and a taxi took me to Pella.

Put up at American Hotel. Kept by Gibson who knows County Redick.

Talked in High School auditorium. Early part was interfered with & drawn out by boat flying in room talker or a hot incendiary. Met Mrs. Scholte and learned that Bob is at Camp Dodge.

Mr. French in the buff! Met Mr. — John Switzer's daughter.

This town is Holland, I

The hotel man says
many are dislodged.
90% of little pebbles we
said to be batte.

Saw Rose blanda in
flower, & also a low
primrose, - *R. pratincola?*

Lat. May 25, 1918.

Lift at 8³⁰ am.
At Fairmount we
were blocked by
delay of other train
for nearly an hour.

Jackson Co., Northern Prairie
flora along the RR.
Sedges along the RR.
Elymus caninus,
Dipsacus laciniatus,
Arenaria serpyllifolia,
Oreaster rigidus,
Carex -
Polygonum -
Achillea - bud.
Arenaria dichotoma - bird's foot
Equisetum pratense - hyacinth?

Between Fairmount & Prairie
City much *Phlox pilosa* in
flower. Also *Gaudichaudia*
(smooth).

At Prairie City near Melton
Uvularia in flower, very
common along right of way.
Just beyond (n.) of Prairie
City I could see much
Phlox pilosa, some fine
beds, much *Sisyrinchium*, &
Arenaria dichotoma,
Elymus caninus, *Convolvulus*.
This is a nice bit of
prairie & near

Polk Co. Near Nobleton I saw
Stipa, some in flower.
Also *Gaudichaudia* in full
flower.

Most of the flowers red, very
few white.

Also a lot of young *Polygonum*
argophyllum.
Euphorbia cyparissias - 1 patch

20 - June

along RR
Anemone dichotoma in
lower places.
Antennaria.

Reeds -

Liquorice -
Oxalis stricta

Right at Hoblton all
this is very good, especially
just beyond town even.

Just N. of Hoblton
there is some

Ceanothus occidentalis.

Also much *Tradescantia*

Some young *Silphium*
laciniatum & *integerrimum*

Oxybaphus myosotis in places

Bugle aquatica

Vitis vulpina sp.

Big bunches

Rosa blanda & *Rosa rugosa*,

Near Altomia also

good prairie.

Walk from Hoblton to

Altomia, - this is only 5 miles &
worth while.

Hoblton & Altomia are in
Polk co.

Prairie City & Fairmount are
in Jasper co.

Pella is in Marion co.

Altomia to Des Moines

Thlaspi palustre - *hastata*

Oxalis stricta "

Hisymnium caninum "

Bryonia alba

Anemone dichotoma

Lithophragma canescens

Prunella vulgaris Lf.

Poa -

Senecio - and *Polygonum*

Tradescantia com.

Rosa com.

Liquorice aquatica - com.

All near Altomia.

Ceanothus occidentalis

Rosa - ?

Eriogonum
Achillea - some sp.
Melilotus officinalis
Bromus
Equisetum hyemale?
Ovalis - yellow - large
Melilotis officinalis very
common at East Dry Mtn.

Rancho de Rosin
little after 11.
May 16 & Amos &
went one to 2⁵ v.
Road to Intermountain
Mtns.

Lay for Amos at
11:30 AM.

Story Co left Amos at 2:10 PM.

Between Amos & Nevada

some prairie strips

Ovalis pilosa - mostly white

Agrostis

Lithophragma parviflorum

To Nevada -

Nevada to Colo - Much less
Zizina amur
Chrysanthemum - many white
Lithophragma canescens
Sisyrinchium
Anemone canadensis (lower)
Prairie
strip

Colo to State Center - Quite a
bit low.
Sisyrinchium - white
Vicia amur
Anemone canadensis
Zizina amur
Prairie
Lithophragma
Platajilum mostly white very common
Prorula argophylla - los.
Tilia americana
Apocynum cannabinum los.
Silphium laciniatum juv.
Pedicularis canadensis local
Senecio
Saxifrage los.

~~Lithophragma glabratum~~
Arenaria canadensis
Phlox diffusa State Center
largely red.
~~State Center to LaMotte~~ ^{mostly} low
Poa
Juncus
Dandelion - fr.
Lithophragma canescens
Lychnis viscaria
Sisyrinchium - white
Phlox diffusa - mostly red.
Agrostis brachystachys
Medicago officinalis
Tragopogon eriopodus
Franseria canescens
Franseria virginica
Hypoxis hirsuta
Bad weather over
LaMotte ^{train} - A creek
flooded, filled up.
Its big boats smashed.
Arenaria canadensis
Gilia aurea

LaMotte to Marshalltown. Much low
Poa
Phlox diffusa - mostly red.
Franseria virginica,
Sisyrinchium - wh.
Arenaria canadensis -
Hypoxis -
Equisetum arvense
Tradescantia - mostly
Juncus
Dandelion - fr.
Medicago officinalis
Poa compressa -

This part was much flooded,
Fields washed, bridges out, etc.

Ames, Nevada & Cole are
in Story co.
State Center & LaMotte are
in Marshall co. also
Le Grand.
Mountaine, Zorra, Long Point &
Chetona are in Jerome co.

much low bottom.

Marsdenia to Decay.

Phlox pilosa red

Lithophragma canescens

Anemone canadensis

Poa compressa

Equisetum arvense

Dandelion

Quarry to LeGrand

Poa compressa very com.

Equisetum arvense

Dandelion

Phlox pilosa mostly white

Lithophragma canescens

Agrostis stolonifera

Fragaria Virginiana

Tama

LeGrand to Marsdenia.

Poa

Dandelion

Agrostis stolonifera

Fragaria Virginiana

Phlox pilosa mostly white

Lithophragma canescens

Equisetum arvense

Dandelion

Morton to Tama

Pot

Gramineae canadensis

Sisyrinchium

Littophragma canescens

Mostly low & flowered

Tama to Long Point

Phlox pilosa - white com.

Anemone canadensis

Senecio

Zizia aurea

Dandelion

Long Point to Cedar Creek

Lepidium apetalon

Anemone canadensis

Senecio

Phlox pilosa - white

Zizia aurea - white

Reached Chelsea about an
hour late & was met by
Sugit Tyler, who took me
to his home.

Chelsea had had a
tremendous wind which broke trees,
wrecked houses, injured
houses, broke plate-glass
windows, blew the Catholic
church spire down, and
threw a plowed house,
yet no one was injured
except a man who tried
to pick up a live wire
and was electrocuted.

Called on Mr. & Mrs.
Magley, also on the
three sons who have a
day school & gymnasium
store.

In evening gave address,
4 graduates, girls, & only
one Bohemian.

Mr. Tyler took me to Town

in his Ford, where we arrived
at about 12 midnight.
Left at 1:05 am. for Ames,
arrived at 4 am., about $1\frac{1}{2}$
hrs. late.

Left for Dr. Mains at
7 am. in the C & W.

To Pittsburgh, Pa.
May 29-1918

Expenses -

May 29 - RR. to Pittsburgh	\$ 18.81
Bus fare en route	.90
Upper 4-41 to Pittsburgh	2.20
Breakfast 85 Poter 25	1.10
May 30 - DInner 85. Walker supper 75	1.60
" 31 - Breakfast 75 DInner 75	1.50
W. Penn Hotel room	2.50
Supper RR. return	.35
RR. & Sleeps Englewood	15.20
Poter 25 Breakfast 125	1.50
(supper & dinner) Chicago	.75
RR. to Iowa City	5.92
	<hr/>
	\$ 52.40

Pittsburgh, Pa. wed. May 29th/18

Left Iowa City at 3:35 PM
(25 min. late) and reached
Englewood at about 10²⁰.
Took the Pa. to Pittsburgh.
May 30 was met by Mr. Knivs &
mother.

Located at Knivs home
We were taken in parade
which was a big affair.
The speaking was at the
Exposition Hall - held
about 7000 people. Full.
Mr. Kramaty spoke, also
the Mayor's wife and
Judge Buffington.

I spoke in English for about
20 min. Then Prof. Masaryk
in both, & then a
string. Together.

In the evening I
attended the Slovak
conference where Dr. Masaryk

cleared up matters -
Mr. Huse, Slovák editor
(of Bohemian Gazette)
who had published
doubts about Bohemian
got his from all sides.

May 31 - Friday
Meeting in Mow Temple,
I was elected president
pro tem. Most of the forum
in preliminary discussion of
Vosha memorandum affairs.

In the afternoon a large
part of time given to
discussions, more or less bitter
between Berger & Vosha's
friends, especially Kunkel.
Kept on until nearly
8, & pushed work to
a close.

Took the 9:05 Train for
Englewood.

June 1 - Sat.

(Valparaiso, Wanatah, to Hanna)
For two stations east of
Valparaiso, Ind., there are
strips of prairie along RR (Prairie)
Soil at Valparaiso, timbered.

Phlox pilosa -

Achillea

Bromus arvensis

Eriogonum (ramosum X) ✓

Triglochin -

Poa -

Thlaspi arvense (smooth)

Allium canadense -

(*Oryza* ?)

Eriogonum pilosum sulphureum (long spikes)

Hedysarum -

Dolichanthion

Saxifrage (lower places)

Polygonatum canadense -

Chrysanthemum leucanthemum

Ophioglossum - yellow bunches

Coumarum nitens on bluestem.

Aquilegia - very well!

Reached Englewood at 8²⁰
- at 8⁴⁵ am left for
Dune Park.

Collected first near
station, then on dune N.E.
+ then on drier sand flat.
The wood to the E. on
the dunes are mostly
oaks at edges & blacked
open & with many prairie
or sand plants. Saw following-

Liquidambar fl.

Poa trivialis fl.

Phlox pilosa fl.

Lithospermum gmelini

Bryonia virginiana fl.

Ostrya virginiana

Antennaria hispida

Smilacina stellata

" " *racemosa*

Salix lucida

Zizaniopsis miliacea fl.

Eryngium virginicum fl.

Vitis vulpina fl.

Celastus scandens lf
(Carey - said me open)
White Sweet Mallow - ~~Arabis~~

Oenothera - open

Castilleja

Aster perianth - hairy

Walked to Kickapoo on the
electric & took car for
6th st.

Saw *Cestrum coccineum*
near Gary

White & yellow Pardalite
were in bloom

walked from Ill. Cent. on
68th to Englewood CR 8 & P
station

Took 6th am train
to home.

Expenses to Chester 1918

Gasoline to Chester	
Jan 7, Auto to West Bluff - Sidwell	\$ 6.50
RR. to Waterloo	1.94
Transfer at Waterloo	.25
Lunch "	.25
RR to Delwin	.58
RR. to Mc Intire	1.38
Breakfast, Delwin	.45
RR. Mc Intire to LeRoy	.19
RR. to Waterloo (from LeRoy)	2.54
RR. to Cedar Rapids	1.30
Hotel Ellis - room, breakfast	1.40
Telephone - Cedar Rapids	.30
	<u>\$ 17.08</u>
	<u>2.50</u>
	A 19.58

119	
2.54	
1.30	
3.00 auto & Inn City	
16.98	
\$ 24.01 what	
20. ^m room	
4.01 phone Mc	

6.50	
3.88	
.80	
.25	
1.16	
2.76	
.45	
.38	

\$ 15.88
.50 - mat lbs.
\$ 16.38

To Chester, Ia. June 7-8 1918

Left Iowa City at 8:35 AM
via auto to West Liberty
Arrived 9:20 PM.

Left for Waterloo at 9:50 PM.
Arrived 1 am.

June 8

Left on C.R. W. for Oelwein
at 4:00 AM, arrived 5 AM,
left 7:45 AM for Melvinia

Prairie beyond Oelwein
shows mixed Phlox diffusa,
Kenilworth, Virginia aster,

Brewer. From Fredericksburg
to Boyd.
Equisetum arvense

Dandelion

Taraxacum (smooth)

Cowbane (birdseed)

Disperma (wet)

Phlox pilosa (mostly red)

Heuchera

Arenaria erosa

Krigia euphlebia

(A flower unless otherwise
stated)

Anemone umbellata

Ranunculus macounii (wet)

Siphium laciniatum (leaves)

Zizaniopsis miliacea

Achillea

Anemone heterophylla

Polygonum

" coniforme

Artemesia ludoviciana (leaves)

Lasiurus frantzii (leaves)

^{at least} ~~Stipa~~ Stipa spartea
^{Chihuahua} ~~Stipa~~ ^{co.} Stipa ciliata (leaves)

Rumex acetosa

Dodder

Galium boreale

Bromus arvensis

Hedysarum occidentale (in town)

Fredericksburg to Boyd

Hedysarum occidentale (town)

Asclepias speciosa (yellow)

Dandelion (offensive)

Taraxacum (smooth)

Solidago

Arenaria erosa (flower)

Stipa
Equisetum - sterile
Asteria ludoviciana (low)
Lycopodium capillare (old)
Osmunda cinnamomea (4)
Adonis amurensis (polymer)

Hedera
Krigia diffusa (mostly pale)
Phlox pilosa mostly pale.
Trysim umbellata (low)
Polygonum
Dianthus barbatus
Zygia amara
Diphysa (old)
Anemone nemorosa (old)

Road to New Hampton

Zygia amara
Hedera
Krigia
Phlox (pale mostly)
Ova (old)
comosa
Bromus am.

Stipa
Calystegia sepium
Dodecatheon
Silphium laciniatum low
Passiflora (low)
Anemone canadensis
Equisetum arvense sterile

New Hampton to Devon

The Phlox is mixed all along here
but mostly pale, some, only white.
Equisetum are sterile
Krigia
Phlox pilosa
Zygia amara
Silphium laciniatum - low.
Hedera
Ova (old)

Asteria ludoviciana low
Lycopodium capillare old
Silphium laciniatum low
Much low & also some
weedy.

Devon to Alta Vista
Anemone heter. fr. common
Phlox, etc.
Rosa - low.
Apozymum - halo - low
Howard Co., Alta Vista to Elma
Ceratodon repens low
Scutellaria galericulata -
Bartramia officinalis
Dandelion - off-white
Rumex crispus
Stipa spicata
Phlox pilosa
Poa compressa
" pratense
Equisetum arvense
Artemisia ludoviciana low
(Spiraea & ^{yellow} yellow) (pink)
Anemone heter. fr.
Saxifrage - low
Fragaria ananassa
Galium ericoides low
Tradescantia sp. smooth leaf
Sax. glauca low
Kerria

Agrostis hirtella - low
Krigia Linaria vulgaris yellow
Toad flax (or Elma)
Lepidium apetalum "
Hedera helix "
Brassica arvensis "

Elma to Acme

Mitchella alba - in tree
Dandelion " "
Artemisia ludoviciana low
Lepidium campestre old,
Tropaeolum - red, low
Stipe

(Some woods)
Apozymum hirtellum low,
Rumex acetosa
Phlox pilosa
Gallop endota low
Bignonia anomala
Dioscorea (low)
Anemone canadensis
Asclepias syriaca low, "in
Much not good ground.

Acme to Riceville

Bromus arvensis minor

Lithophragma canescens (f. gl.)

Phlox pilosa

Zizaniopsis

Pedicularis sudetica fr.

Tragopogon - lvs

Krigia -

Iris versicolor - lvs

Felicia cordata - lvs

Hedysarum -

Hydrophyllum

Saxifrage - var

(much less, wetter)

Mitchell Co.

Riceville to McIntire

Dandelion virginicum

+ Achillea -

Cowbane refra - lvs

Aquilegia Sibirica lvs

+ Saxifrage - var

+ Zizaniopsis

Gaura parviflora

+ Phlox pilosa

as McIntire I collected those marked +

Solidago laevissima - lvs

Filix undulata - lvs

Thlaspi rotundatum - Dusky

+ Hypericum erecta - lvs

+ Hedysarum -

Antennaria lateritia - lvs

+ Zizaniopsis -

Grindelia fruticosa - fr.

+ Lichophragma canescens (f. gl.)

+ Poa compressa

+ " " " " " " "

+ Felicia amelloides - lvs

Baccharis neglecta

Rumex blanderi (?)

+ Eryngium armatum

+ Galium boreale

+ Staph. hastata

+ Rhus glabra - lvs

+ Q. macrocarpa

+ Potentilla simplex

+ Ranunculus acris - lvs

+ Stellaria - (var)

+ Gaura parviflora

+ Hordeum jubatum

+ Carex

+ "

+ Bergamot

+ Schizanthus (var.)

+ Rudbeckia hirta lvs.

+ Oenothera glaziovii

+ Petunia aguatica

+ Geranium maculatum

+ Antennaria plantaginifolia

+

+ Eustoma strictum

+ Scrophularia lepoulensis

+ (Grass)

+ Knautia drymeia

These were collected S. of

McIntire along the

R.R. - on a prairie
which seems to be
rather moist.

+ Lepidium apetalum

+ Viola amnicola

+ Lathyrus vernus

+ Coreopsis palmata lvs.

+ Holtonia ericoides

+ Eryngium campestre large lvs.

CENTRAL AMERICAN FUNGI.
CHARLES L. SMITH.

Fooled around at Mc Intire
until 2 min. after 2.

Between McIntire & Le Roy -
Towanda

Rhus glabra

Zizyphus amara

Selaginella rupestris

Hypoxis hirsuta

Bisneya

Salix cordata

Rosa -

Aquilegia canadensis open prairie

Aster laevis lvs.

Poa

"

Solidago rigida lvs.

Lespedeza capitata old

Kenckea -

Lithospermum canescens

Knigia -

Anemone picta - old

Stellaria ligustrina

Antennaria plantaginifolia

Daphne mezereum

Ellis.

Mappe - wet
Tradescantia smooth
Reached Le Roy at about
12³⁰ & found auto for me.
Drove through very fine,
quite flat Prairie country
9 miles to Chester.

Met Dr. L. D. Clark

Had dinner at Clark's & then
spoke in street to large crowd.

Sergeant Hawkins & Capron
skins were also on hand
& followed with talk, Hawkins
giving gas mask demonstration
Dish supper at Dr.

with the Sergeant & Capron.
Met a number of Belgians,
among them Lourain⁽²⁾, his
wife who is, Vac. Engos
daughter, & Rev. Hawlik
from (Sandage).

A good many Bohemians live
Southwest of Austin.

Met Mr. & Mrs. Christian Nelson
& son, who travelled with me
in 1914. They are Doves from
Schleswig & strongly anti-German.
They took Sergeant Hawkins' car
to Le Roy, where we took
train at 10⁵⁷ am. for
Waterloo (I believe for Des Moines).
Reached Waterloo at
3²⁰ P.M. & put up at the
Ellis House.

Am June 9, 1918

Lay Waterloo at 8¹⁵ am. by
Interurban, for Cedar Rapids.

On sandy flat beyond the
Cedar I saw: (A little city),
Plantago lanceolata fl.

Zauschneria (smooth) fl.
Lactuca palea in flower
Lithophragma glaucum

Rumex acetosa

Oxalis - yellow

Rosa - low.

~~Veronica angustifolia~~ fl. (large)
~~Anemone canadensis~~ fl. (large)
~~Achillea~~ - a few fls.
~~Eriogonum racemosum~~ all

Benton Beyond Labette Co.

~~Eriogonum racemosum~~ fl.
~~Digitalis purpurea~~ fl.
~~Lobelia spicata~~ fl.
~~Tradescantia~~ ~~purple~~ fl.
~~Hedysarum occidentale~~ fl.
(mostly not real prairie,
but open bottomland &
scrubland stuff.)
Then follow some part
of the way with track
in narrow strips between
river & bluffs.

~~Krigia~~ on open prairie (rarely)
~~Equisetum hyemale~~ " ,

Brandon.

~~Thlaspi desmodium~~ fl.
~~Artemisia ludoviciana~~ less.
~~Achillea~~ - fl.
~~Eriogonum racemosum~~ fl.

(This is just right of way -
not sandy)

~~Lepidium apetalum~~ fl.
~~Rosa pratincola~~ fl.
~~Convolvulus sepium~~ fl.
~~Oxalis~~ ~~yellow~~ fl.
~~Purpurea~~ ~~acelosella~~ fl.

Collected plants at siding
beyond Brandon:

~~Pentstemon grandiflorus~~ fl.
~~Lobelia siphilitica~~ fl.
~~Rosa~~ - fl.
~~Eriogonum racemosum~~ fl.
~~Oxalis~~ - fl.
~~Veronica angustifolia~~ fl.,
~~Bromus~~ - un
~~Hedysarum~~ - fl.
~~Grass~~ - fl.
~~Tradescantia~~ fl.
~~Achillea~~ - fl.
~~Plantago aristata~~ fl.
~~Physalis pinnatifida~~, fl.

a flat, somewhat sandy area.

~~Some~~ Phlox modesta
in low place, Del.
~~Hedictium~~ ~~dry~~ up on hill.

Urbandale -

as station: in field
+ ^{2nd floor} ~~white~~ clover
+ Poa pratensis
+ ^{Medians} Hedictium juncinum
Aster alpinus
+ ^{2nd floor} ~~white~~ clover
+ ^{2nd floor} ~~white~~ clover
+ ^{2nd floor} ~~white~~ clover

Bromus arvensis.

^{Phlox} modesta

Dianthus

Rumex acetosa

Linn Co + ^{Jasione} ~~Jasione~~ - long

Center Point those marked +
above were in cut D.A.
also:

Lathyrus sativus lf.
Medicago sativa lf.

Sisymbrium altissimum lf

Tree distance not
in price of pasture

with much Thallium
dasyphyllum & some Phlox
modesta

Good woods

Lafayette -

A lot of ^{Red} Rubus acetosa
in fields all along.

Again Hedictium &

Phlox modesta

Still further ^{near Robins} pp

Phlox modesta - low
Hedictium fl rather low

Krigia fl

Eriogonum ramosum fl

Achillea fl

Asclepias syriaca lf

Tradescantia - mostly

Robins - Shaver - ^{each in} said young. (idea rough?)
Cedar Rapids at 10⁵⁰ (small boy
had this)

expenses

RR to Independence 1.78
in a town City 1.78
43.56

39
1.78

June 11 Tues. 1918
Left at 3 PM. for
Cedar Rapids and Independence.
Reached Independence at
6:26 PM. Met Mr. D.
Donnan. He had married
Lucia Cole. Is now
again married. He
runs a pool-hall and
is the Commander of the
Sons of Veterans.

Mr. Ed. Raymond drove
me about. He is a
Consistory member and was
in my class up to the
18th. He finished at
once, - I finished later.

In the evening the
G.A.R. & W.R.C. came in
a small audience.
Dinner.

Possibility of service
Influence on boys
" " ourselv.

Want we can do:
Not going
Give more support
Help financially
Inform ourselves.

We need it
Our schools have failed
Declaration of Indeped
we held wrong ideals before
our young people.

Selfish
now service

We need information.
Teach all about Germany
From our standpoint
Learn to know countries of
Europe.

We have too many teachers
German & Germanists

Fred. the Great

Misunderstanding
Kaiser

Why not Schurz & Biegel
We believe in our own

German Schools,
Universities.
(Oholoyi Kaiser incident)
Language not Germanic
What it conveys.
Very attractive
Father's inspiration
Coming in our flag - not
Our selfish ideals

June 12, 1918.
Downey to Los Angeles (on
return)
~~Oxybaphus nyctagineus~~ fl.
~~Acetosella~~ fl.
~~Ochnidea (Lapageria)~~
~~Thlaspi capillaceum~~ (Smooth) fl.
~~Thlaspi dasycarpum~~ (Giant) fl.
Stata heterophyllum fl.
~~Eriogonum ramosissimum~~ fl.
~~Rhodope malitiosa~~ (low) fl.
~~Hedysarum~~ fl.

Rumex britannicus (Lor w.) fl
" *altissimum* fl.
Poa pratensis fl.
Arenaria canescens fl
Bromus (oblong)
Koeleria cristata few fl.
Hordium jubatum fl.
Rosa pratincola fl.
Helictotrichon scabrum fl. (few)
Zizaniopsis fl. few
Baptisia - smooth fl.

Okoboji account - 1918

June 14- Taxi-Hos. Iowa City \$ 1.75
 RR. to Clear Rapids .86
 Taxid J. T. Rice \$ 21.00
 RR. to W. Okoboji (no tax) 6.81

June 15 Diner - 2 meals-breakfast 1.70
 Steamer season ticketed 6.00
 Bus to boat - Steamboat ticket ^{5 p. 00} 6.50
 Anderson dinner 6.50
 June 15- Miller's Hotel: ^{Crowe} _{Miss. C. & B.} 2.00

" 16-

" 17 - Paint - Maps 3.50

Screws & hooks, ¹⁵ screen ⁵⁰ _{as p. 00} Mansmith 65
 Gray Andes Park - Boat freight ⁵⁰ ₅₀ 1.00

" 18

" 19

" 20 Rake, miford- ^{1.25}

" 22 - Brushes ⁷⁵ (Crack at top)
 " 29 - Pliers ^{1.15} _{christensen} ^{gum} _{2.00}
 Muslin ²⁵ _{mettler} ^{mettler} _{3.90} Magazines
 Melon ¹⁵ _{mettler} ^{mettler} _{3.90}
 glue ¹⁵ _(all at Springfield) 1.00

July 3- RR. to Iowa City
 Steamer en route

\$ 8.31
 .60

.75
 .86
 6.81
 1.70
 6.50
 6.50
 2.00
 8.31
 .60

\$ 33.53

To Okoboji June 14, 1918

Left Iowa City at 9⁴⁵ Am. for
West Okoboji with Hins.

June 15, 1918

Reached W. Okoboji after
8 am & at once took the
Sioux City for the Laboratory.

Found Crouch & Anderson
on hand. They came yesterday.

We pitched in, opened up
and cleaned the cottage,
dormitory & boys set up
dining tent & day clear & windy.
We took dinner at the old
Miller's Hotel, now a boarding
house for the State laborers.
Patched up supper, potatoes
and eggs, stove failed to
work.

Miss Douglas and Miss Fillman
came in afternoon, and Miss
Christensen came in the evening, by
Launch.

Mosquitos very plentiful.

June 16, 1918. Saturday.
Arose at 8 a.m. and spent the day in clearing up.

Stove was cleaned early, and worked better. We had breakfast at 11 a.m., and dinner at 6 P.m.

Towards evening Dr. Stephen, Miss Walker, and Mr. Abel came.

Day rainy a little in the morning, later windy and mostly clear, and the lake rather rough.

June 17, 1918. Monday ^{30th}
Arose at 6:30. Day hazy but clear.

Registered students,
at 11 A.M. I discussed my
with students.

Miss Ensign came in
a little afternoon, by
Launch from Arnold's Park,
After dinner I went to
Arnold's Park by the
lions City and found
only my plant from at
the Express office.

Returned after 6 P.M.
Latter part of day cloudy
and wind from the East
practically all day.

June 18, 1918 - Tues.

Spent forenoon with biologists.
Discussed subject in general,
using Bulletin.

In afternoon left them to compare prairie forest
lists of plants in Bulletin.
Went to Arnold's Park.

Found my boxes of goodly
express, had them loaded,
and I went to head of
lake, walked from
west Oshkosh to Montgomery,
walked about one N. of station
at W. Oshkosh, & then
along Rd to Montgomery.

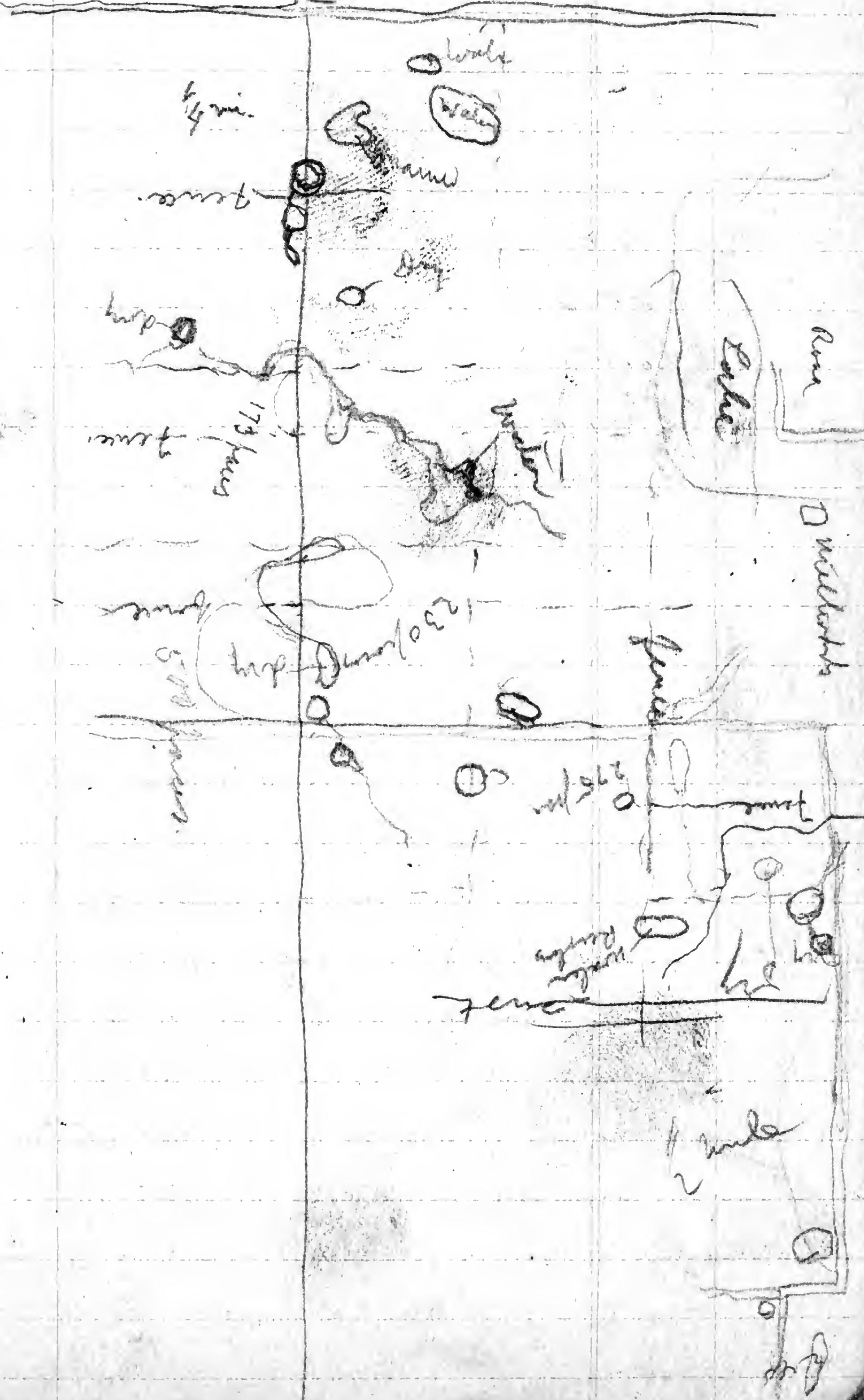
Find prices same or
even higher & walked
back, was $\frac{3}{4}$ mi. S. to
them by private road (mi.)

further south, along
several little roads
past, then diagonally
S.E. to main road

Montgomery

$\frac{3}{4}$ mi

N
S



Stopped at the Black
Tern kettlehole, $1\frac{1}{2}$ mi.
N of Lab., & collected
plants. Found few
Eriophorum.

Walked back to Lab.
The kettleholes nearly
all drained, &
prairie all plowed.
Even strips along
road will disappear
as the main N. & S.
road is to be widened
and improved.

I was lucky to get
these earlier plants
years back, as the
country is changing
very much.

June 19, 1918 Wed.

went out with Ecologists
to East ridge (prairie) forming
torque just N. of Lab.
Since 1911 (when photo was
taken). *Rhus glabra* as
encroached on prairie.

Then worked prairie ridge
just west of above one, &
checked list (see next
two pages)

We then returned to
Lab. & I showed Mr. H. on
Anemone canadensis &

Polygonatum commutatum.
In the afternoon we went for
mail & walked whole
length of prairie to south
of mailbox. I collected
plants - prairie.

Very calm day. Lake
fine.

E.- Ridge S. of Lab.

- + Solidago missouriensis - lf.
- + Poa pratensis - fr.
- + Carex festucacea - fr.
- + Petalostemum candidum Lind.
- + Verbena stricta - fl. + bud.
- Panicum virgatum - lf.
- + Lepidium apetalum - fr. & fl.
- Asclepias syriaca - lf.
- + Ambrosia artemisiæfolia - lf.
- + 10 Physalis peruviana - fl.
- + Phleum pratense - fl. introd.
- Delphinium nudicaule - bud.
- + Aster multiflorus var. rugosus - lf.
- + Artemisia ludoviciana - lf.
- + Poa compressa - fr.
- Helianthus scaberrimus - fl.
- Lathyrus vernus - lf.
- + Rosa pratincola - fl.
- + Panicum Scribnervianum - fr.
- + 20 Amorpha canescens - bud.
- + Petalostemum purpureum - lf.
- + Solidago canadensis - lf.
- + Vitis vulpina - lf.

Taraxacum - fl. + introd.

Potentilla norvegia fl.

Ziziphium frustaceum - fl. (introd.)

+ Oxalis stricta - lf. + fl.

+ Andropogon furcatus - lf.

+ Clipping spiraea - br.

30 Lithospermum canescens fl.

Aceratia midiflora - bud.

West ridge (addition) rec + above.

Astragalus canadensis - lf.

Rhus toxicodendron - lf.

Monarda mollis - lf.

Agropyron Smithii - lf. + fl.

Andropogon scoparius - lf.

Potentilla arguta - bud.

Astragalus caryophyllea - fr.

Physalis peruviana - fl.

Lepidium campestre - lf.

Anemone cylindrica - fl.

Eryngium ramosissimum - fl.

Artemesia - neotrioca - lf.

Oenothera occidentalis - fl.

Symporicarpus occidentalis - fl.

June 20, 1918 - Thurs.
Spent forenoon with Taxonomists
in Lab. In afternoon went out
to Lookout - Prairie.

- + *Lathyrus venosus* fl.
- + *Phlox pilosa* fl.
- + *Polygonum pratense* fl. (introd.)
- + *Rosa pratincola* fl.
- 5 *Vicia americana* fl.
- Hordeum jubatum* fl.
- + *Carex festucacea* fr.
- + *Ammoxtha canescens* lf, bud,
- + *Lithospermum canescens* fl.
- + 10 *Carex palustris* lf, bud,
- + *Actaea gallica* caprifolia fr.
- + *Oenothera serrulata* fl.
- + *Toledago rigida* lf.
- + *Ithalictrum dasycarpum* fl.
- + *Silphium laciniatum* lf
- + *Koeleria cristata* fl.
- + *Stipa aperta* fr.
- Petalostemum candidum* bud.
- + *Aster sericeus* lf.
- + 20 *Antennaria sedoides* lf.
- Galium boreale* fl.
- + *Eriogonum annuum* fl.
- + *Arenaria cylindrica* fl.

- + 24. *Nelumbium scaberrimum* lf.
- + *Fragaria virginiana* lf.
- + *Acetosella indiflora* fl. (introd.)
- " " " v. brevula lf.
- + *Aster multiflorus* v. exigui lf.
- Steinonenia ciliata* lf. (new)
- + 30 *Panicum Scribnerei* fr.
- Veronica virginica* lf.
- + *Petalostemum purpureum* lf.
- + *Linaria scariosa* lf.
- + *Polygonum esculentum* fr.
- + *Kuhnia eupatoriaoides* syn. lf.
- + *Eryngium yuccifolium* lf.
- + *Oxalis stricta* fl.
- + *Anemone patens* v. Wolfgangian lf.
- Trifolium repens* fl. (introd.)
- + 40 *Amaranthus scoparius* lf.
- + *Trifolium pratense* fl. (introd.)
- + *Toledago spicata* v. angustifolia lf.
- + *Comandra umbellata* lf.
- + *Poa compressa* fr.
- + *Aster laevis* lf.
- + *Braunvia angustifolia* bud.
- 47 *Chrysanthemum pubescens* fl.

48. *Lepidium apetalum* fr. & fl.
 + *Sisyrinchium campestre* fr.
 50 *Cirsium canescens* - lf.
Castilleja sibirica fl. (lvs.)
 + *Oxybaphus nyctagineus* fl
 + *Helianthus grosseserratus* lf.
54. *Agropyron tenerum* fl.
2nd Lookout - fr + see herbarium list.

Lepidium capitata lf
Carrotus canescens sp
Oxytropis lambertii fl.

Artemisia ludoviciana fl
Heliotris scabra lvs.
Psoralea argophylla lvs.
Cirsium heterophyllum lf.
Aquilegia vulgaris lvs.

Came back & worked on
 plants

June 21, 1918 - Fri.
 Rained in morning. Spent
 forenoon in general discussion,
 particularly of Bulletin.
 Quite windy.

Saturday - June 22, 1918
went by row boat to low cut grass
E. of Canal with Mr. Boston & Mr. Teller

Bit of prairie in low cut
grass E. of Canal

- ✓ + *Lithophragma americanum* fr. fl.
- ✓ + *Fragaria virginiana* fr.
- ✓ + *Solidago canadensis* lf.
- ✓ + *Andropogon furcatus* fl.
- ✓ + *Koeleria cristata* fl.
- ✓ + *Lepidium campestre* lf.
- ✓ + *Ambrosia artemisiifolia*
- ✓ + *Hedysarum occidentale* fl.
- ✓ + *Astragalus canadensis* lf.
- ✓ + *Galium boreale* fl.
- ✓ + *Oenothera macrocarpa* fl.
- ✓ *Rosa blanda* (?) lf.
- ✓ + *Nemoura mollis* lf.
- ✓ + *Rhus typhina* lf.
- ✓ + *Helianthus scaberrimus* lf.
- ✓ *Polygonum perfoliatum* fl.
- ✓ + *Liatris scariosa* lf.
- ✓ + " ludoviciana" lf.
- ✓ + *Antennaria sonoriensis* lf.
- ✓ + *Alcea pallida* lf.
- ✓ + *Panicum capillare* fl.
- + 22 *Solidago speciosa* lf.

- + 23 *Vicia americana*
- ✓ + *Phleum pratense*
- ✓ + *Rubus occidentalis* fr.
- ✓ + *Eriogonum philadelphicum* fl.
- ✓ *Conandron umbellatum* lf.
- ✓ + *Lathyrus vernus* fl.
- ✓ + *Anemone cylindrica* lvs.
- + 24 *Pentstemon procerus* lf.
- ✓ + *Poa pratensis* fr.
- ✓ + *Panicum scribnerianum* fl.
- ✓ + *Cirsium discolor* lf.
- ✓ *Polygonia amara* fl.
- ✓ *Helianthus grosseserratus* lf.
- ✓ + *Aster multiflorus* s. lf.
- ✓ + *Anemone canadensis* lf.
- + 25 *Ceanothus americanus* lvs.
- ✓ + *Artemisia wilcoxii* lf.
- + 26 *Carex festucacea* fr.
- ✓ *Vernonia fasciculata* lf.
- ✓ + *Aster laevis* lf.
- ✓ + *Bistorta amplexicaulis* fr.
- ✓ + *Gaura parviflora* fl.
- ✓ + *Thlaspi arvense* fl.
- ✓ + *Anemone canadensis* fl.
- + 27 *Symplocarpus rotundifolius* lf.

Further east

- ✓ 47. *Dactylis glomerata* L.
✓ *Garrya glandulosa*
+ *Hedysarum occidentale* L.
Foothills south of fire
✓ *Aporia (anomala) fuscata* G.
✓ *Vulpia strigosa* L.
✓ *Asterolasia myriophylla* G.
✓ *Ziziphora clinopodioides* G.
✓ *Bellardia viscosa* G.
✓ *Artemisia dumosa* G.
✓ *Andropogon scoparius* L.
✓ *Malacothrix tenuistylis* G.
✓ *Mentha spicata* L.
✓ *Solidago rigidula* G.
✓ *Ranunculus abortivus* L.
✓ *Vicia sativa* L.
✓ *Sisyrinchium campestre* L.
✓ *Carex laevigata* L.
✓ *Rosa pratincola* L.
✓ *Vicia cracata* L.
✓ *Plantago rugelii* L.
✓ *Plantago rugelii* L.
✓ *Blun. glabrum* fl.
✓ *Aeropyron Smithii* L.

Returned at 11 & went
to Lookout with Miss Walker.
In the afternoon went north
to Black Bear Lake (a
kettlehole) with Miss Engen
& Anderson. Collected some
rare prairie plants. At
Black Bear kettlehole found
Cypripedium candidum in
fruit. Found a *Lilium philadelphicum*.
Moderately windy - R.W.

June 23, 1918 - Sunday
Awoke after 8 am.
Had service at 10³⁰ am.
Hymn
Reading of *Scripture Ecclesiasticus 7-10*
Hymn.

I talked on value of sin & tragedy.
America.

Spent day in figuring board &
arranging & cleaning.

Quite windy. Rained some.

June 24, 1918, Mon.

In the morning the Ecology class went to the Lookout. We studied the map in detail and considered the distribution of forest, prairie and bottomlands.

It threatened rain more or less.

In the afternoon we went to the bare hills north of Miller May and studied the remnant of the prairie flora. All the plants were little stunted stragglers among the *Poa compressa* now wholly dominant. Most were young plants.

The following is list:

went to prairie ridge N. of Miller May.

Found on prairie:-

- Oenothera occidentalis* fl.
juv. *Verbena stricta* lf.
juv. *Pycnanthemum flexuum* lf.
Trifolium repens - fl.
juv. *Monarda mollis* - lf.
Symphoricarpos occidentalis fl.
juv. *Ambrosia artemisiifolia* lf
Poa compressa - lf. - very common.
Equisetum arvense - sterile.
juv. *Petalostemum candidum* lf.
Antennaria nudicaulis lf.
Equisetum variegatum - sterile
Phleum pratense - fl.
juv. *Silene stellata* drap. 1
juv. *Cirsium canescens* - lf.
Juncus erythrophyllos lf.
Lepidium apetalum fl. & fr.
juv. *Agrostis Smithii* - lf.
Silene antirrhina fl.
juv. *Roton multiflorum* var. lf.
Euphorbia ^{Prasinifolia} segetalis fl.

- 22 *Anemone patens* var. *lutea* lf.
Koeleria cristata fl.
Oxalis stricta lf.
 juv. *Athyrium rigidum* lf.
Aster sericeus lf.
 juv. *Potentilla arguta* lf.
 juv. *Aster oblongifolius* lf.
Osmunda cinnamomea lf.
 30 *Lithospermum canescens* fr.
 juv. *Catalystepha purpurea* lf.
Rosa pratincola lf.
 juv. *Artemisia dracunculus* lf.
Osmunda cinnamomea fl.
 juv. *Brauneria amphibia* lf.
Polygonum esculentum lf.
Anemone cylindrica fl.
 juv. *Fragaria virginiana* - lf.
Eriogonum ramosissimum fl.
Polygonum argophyllum lf.
 juv. *Amorpha canescens* lf.
 Dry Earth
Liquitach variegata
Testacea velloziana fr.
Lium millefolium - fl.
Dubia drummondii fl. b.

juv. *Kencheria hispida* lf.
Rosa trifolia? (fine) fl.
 juv. *Asplenium platyneuron* & *Lowndesia* lf.
 juv. *Allium canadense* lf.
Bontlema hispida lf.
 Canebrake - fr.
 It was stormy towards
 evening, and in the evening
 a heavy storm broke.
 Cronch and Schubmedine had
 taken a row boat to Arnold's
 Park and could not return.
 (called me up from Manhattan
 at 1 am).

June 25, 1918 Tues.

Botanists worked in
forests with beginning, the
^{Ranunculus}

In the afternoon
Compositae and other forms
were taken.

The whole day was
spent in indoor work
on material received nearly.
It was very wet in the
morning and the day
was more or less blustery.

We put in a lot of
good time on identification,
and I discerned some
details of structure of flowers, etc.

This is my 60th day.

June 26, 1918 - Wed.

The special work of the
Ecologists was done without
much help from me except
that I went to Elgin Creek
woods and to Bull Pond
with Anderson. Learned about
trees.

Found fairy rings in
some old place. Grass was
darker green, around ring.

Both Ephista marginata and
the puff balls formed
each a ring. Rings
were poor. Two important
puffball rings were found.
At Bull St. found just two
flowers on Pentstemon grandiflorus,
all others in fruit.

Collected lichens on birch and
green ash.

In evening went to stamp meeting
at Wilford. Waller of Co. Bluff &
Capt. Allen of Mich. Army spoke. Too
much to copy. Went with Livingston

June 27, 1918 - Thurs.
Worked indoors on
taxonomic materials.

In the afternoon went
to mail box and collected
a few plants from bog north
of mailbox and a larger
number from the prairie
on the north side of road
going west from mailbox.
We returned rather
early and worked at
wild weeds, etc.,
(see plants collected.)

Worked in the garden in
the evening. Weeded, planted
five rows of radishes
and thinned out and
hoed the corn.

June 28, 1918 - Fri.
Rain in morning. Worked
indoors in forenoon. ^{Dismantled prairie} found factors.
At noon went to Spring &
collected shells & dimensions.
Bifidaria corticaria was quite
abundant, and I learned a
few other species (see lot.)
Three species of slime molds
were collected on partly
fallen red-ash trunk.

In afternoon went to Elm
creek woods with Trologlyts.
Collected lichen and wood
species. Found Carex
cus-covi in small bog just
west of Elm Creek.

The following plants were
observed in the deeper woods
opposite the Cove (Elm creek
woods):

Durus mucronata lf.
Fragaria ananassa fr.
Ostrya virginiana lf.
Ulmus americana - lf.
Catalpa mollis - fr.
Juniperus virginiana lf.
Pectenaria pungensfolia lf.
Vitis vulpina lf.
Prunus virginiana lf. fr.
Lonicera sempervirens fr.
Zanthoxylum americanum lf.
Desmodium grandiflorum fl. & br.
Aquilegia striata - bly.
Amelanchier monilis lf.
Rhus toxicodendron - lf.
Juncus tenuissimus - lf. b.
Eriostemum pedunculatum fr.
Ribes griseum - fr.
Symplocarpus foetidus l.
Polygonatum commutatum lf.
Tilia americana - lf.
Rubus occidentalis fr.
Elymus tristis fl.

Vitis rotundifolia lf. (häufig)
Anemone virginiana fl.
Artemesia trifolia lf.
Cornus canadensis lf.
Baccharis halimifolia lf.
Thlaspi arvense fl. & fr.
Rhus glabra - lf.
Apocynum cannabinum lf.
Gaultheria shallon lf.
Carex granularis fr.
Tolpis canadensis lf.
Oenothera biennis fr.
Smilax herbacea lf.
Melampsora pulchra lf.
Calystegia soldanella est
~~*Toxicodendron diversilobum* lf.~~
Carex latifolia fr.
Hydrophyllum virginianum fr.
Nila americana - lf. bly.
Aster cordifolius lf.
Claryea leptophylla - lf.
Geum urbanum lf.
Actaea rubra fr.
Cryptotaenia canadensis fl.

Douglasia venusta sp.
Pedicularis parviflora fl. &
Eriogonum glabratissimum fl.
Bryanthus ^{modestus} *fl.*
Giliastrum apicinatum L.
Agastache scrophulariifolia L.
Canyon river - fl. pr.
Patagonula latifolia L. f.
Oreasteria fruticosa (Pursh)
Sonchus esculentus L.
Allium lasiocarpum fl.
Cleistogenes condensata L.
Lithospermum perfoliatum L.
Primula elatior L.
Laportea canadensis L.
Heuchera villosa L.
Viola pubescens Pursh

Returned and cared
for the materials collected.

Mrs Fillman remains at
dormitory all day.

June 29, 1918, Sat.
Arose early, boating & got
to head of lake with Ella.

Launch was without a
spark plug and we did
not get out.

Rained again last night
and the morning is cloudy and
threatening more rain.

The lake is quite calm, but
breeze is coming up.

Left in Sioux City at about
9 am, & waited at
Arnold's Park 2 $\frac{1}{2}$ hrs.,
until 12¹⁵.

Collected rusted leaves of
Crataegus mollis & Co.,
showing spermatogenesis.

An old fellow (who had
"lived here 30 yrs.")
advised at the idea of
the being same as
pear apple.

Collected shells under

leaves, log & bark
in wood S. of road,
S.E. of "Church at"
Ames Park. Also
a Disc.

Took train for Spring
Lake & stopped at
latter place.
It rained (drizzled)
most of the afternoon.
Wet as drifts.
Walked west of depot
on RR to was soon
collected prairie plant.
Left at 6:30 P.M. for
head of lake.
Returned to Lab. by
the Des Moines.

June 30, 1918 Sunday,

Went most of forenoon in
drawing war map of
Europe.

At 2³⁰ I talked on the
subject, "Why did Europe
go to war?"

Several farmers came
in: Livingston, Kershaw, &
Nelson. Nelson was one
of Coos' students (graduate).
Later in the afternoon
I picked a few *Bifidaria*
corticaria, etc., on clay at
the spring.

Rained the night before
and roads were bad in
places.

July 1, 1918 - Monday
Dolph Livingston took
us to the Littleton.
Dr. Stephen, Miss Cavanagh
and Ensign, & Misses Anderson,
Abel, & myself went.

We started at the hillside
box in the NW corner
of sec. 4. 98-37 &

walked the creek valley,
picking up shells
under shrubs & lichens
on trees.

Then dredged in the
hillside box & collected
Orium, etc.

Then went down the
river (on S. side) to
wooded bluff. Picked
shells & plants.

Up on bluffs there are
Quercus & *Acacia* less
than 6 ft. high &
bearing acorns.

There is up here also a
nice lot of prairie.
Then walked to bridge
& found fungi on Q.
Mucoropha say & also
a *Plasmadium*.
Livingston called for us
and we drove home early,
about 7.

In the morning found it
rainy to get after *Schmidia*
& *Crouche* for late hours &
disturbance of camp.

July 2, 1918 Tues.

a hot, sultry day.

Spent all of it indoors
with the Taxonomists.
Worked Umbelliferae
& Cruciferae.

Made wood in the
evening and packed
sorted materials and
packed some.

July 3, 1918 Wed.

Spent part of forenoon
in drawing apparatus with
Baloghs.

Packed and wrote letters.
In the afternoon Mr.
Shelvinine, Dr. took me
to Spirit Lake by auto.
Left Spirit Lake for
Iowa City at 4:30 P.M., - via
West Liberty.

A tedious trip, with
some discomfort due to
crowing, & to heat, -
or dust and wind if
windows open.

June 20, 1919 - Left at 2:47 P.M.
for Cleveland

Taxi - to city	\$.25
R.R. to Cleveland	18.75
Supper - dinner	1.00
Sleeper	1.73 + .25
Breakfast - rest.	.25
Dinner & Hotel Lunch & Breakfast	.45
R.R. to South Bend + sleeper	310.04 + .25

R.R. So. Bend to Dunlask 1.62

June 21 - R.R. to Gary in
afternoon 7.64

Met in National Hall

on Broadway. Slovaks only party represented. To list me proceedings.

Had ugly run-in with Slovaks - over ship molasses. Evidently many are interested in the company which ships at 18cts per lb.

Broke up in rather lame fashion.

June 22 - Visited with Butler
Paul & Hanks. In afternoon
the Scotts (Dr. & Mrs. &
Josephine) came over, & in
evening Dr. Tsch. had time
to shoot in auto.

Left at 10¹⁵ (11:00 P.M. time).
Reached South Bend, Ind at
5 am. & left at 7¹⁷

for Down Park,

From So. Bend to Down Park
along R.R.

~~Cephalotrichia~~ ~~middle~~ ff
~~Lithospermum~~ ~~purple~~ fl
Equisetum arvense male,
Poa pratensis old

" compact fl
Salix humilis lf.

~~Indigofera~~ ~~infuscata~~ ff. ^{2 white}
Corylus avellana - lf. (new buds)

Rosa — fl

~~Luzula~~ ~~racemosa~~ fl

Lepidium apetalum trif.

Vitis vulpina lf

- Thlaspium dasycarpum* fl
Achillea millefolium fl
 15. *Athyrium* ~~pink leaf~~
Thlaspi aquilegina blue wld
Hypnum revolutum fl
Cochlearia leucotricha fl
Rubus hispida brt fl
 20. *Phlox pilosa* fl
Helianthus scaberrimus fl
Pentstemon digitalis? fl
Ranunculus esculentus fl
Polygonatum (small) fl
 25. *Asclepias tuberosa* brt fl
Asclepias speciosa Smith fl
Oxybaphus argenteus fl
Asclepias speciosa lfl
Plantago glabra fl
 30. *Tekaria diffusa* l. fl
Melilotus alba fl
Trifolium hybridum fl
~~Trifolia pratensis~~ fl
Red Clover fl
Typha latifolia fl. & l.
 35. *Luzula vulgaris* fl
~~Spring cumbungi~~

- Kordyum involutum* fl
Trifolium rubrum
White Clover fl.
Brown tectorum fl
 40. *Brassica annua* fl.
Pastinaca sativa fl
Eryngium yuccifolium fl
Melilotus officinalis fl.
Aster (annual) fl.
 45. *Coldenia apicata* fl
Lilium philadelphicum fl.

Reached Dune Park at 7:55 &
 worked near station, then
 on flat toward other side toward
 lake, & back to station.
 Some of the plants were collected
 from boggy ground.
 50. *Stipa capillaris* com.
 + *Exploratorium longiligulatum* com.
 + *Calystegia soldanella* fl. + Rose com.
 + *Bromus tectorum* br. + *Coreopsis palmata* br. & fl.
 scattered com.
 + *Rubus hispida* fl. + *Matricaria officinalis* com.
 + *Arabis* scattered fl. + *Thlaspi arvense* fl. & clump
 + *Brassica napus* fl. + *Thlaspi arvense* fl. & clump
 Asclepias speciosa fl. + *Thlaspi arvense* fl.
 " *ovatifolia* fl. " *Oenothera biennis* fl. patches

June 29, 1918

\$ 3.25	Isabelle Walker
✓ 15	D. Everett Sheldridge
✓ 15	G. B. Fillman
✓ 5	J. B. "
✓ \$ 5	Evelyn Ensign
✓ 25	Waldo Anderson
✓ 5.00	Isabelle Walker
<hr/> \$ 73.25	

Glue & Magazine at McGraw Pharmacy
 Aliens at Curtis & Lee's Hardware,
 Spark plugs from Spirit Lake
 Motor Co.
 Muslin at Christensen Bros.

lower ground

+ <i>Polygonia</i> - fl few	<i>Lysimachia</i> few fl
+ <i>Clintonia bellata</i> fl scattered	<i>Clintonia alatior</i> com.
+ <i>Sisyrinchium campestre</i> scattered	<i>Osmunda regalis</i> fr
+ <i>Hedysarum</i> - fl patches	<i>Carex</i> com. grasses small fl
<i>Comandra umbellata</i> scattered	<i>Kalmia</i> few patches
<i>Lycopodium obscurum</i> - fl scattered	<i>Linnaea</i> few fl grass
+ <i>area festucoides</i> fl clumps	<i>Hedysarum</i> patches
<i>Eryngium</i> flexuosa fl scattered	<i>Triphlochin</i> - fl.
+ <i>Geum urbanum</i> polygalae <i>polygama</i> scattered	<i>Juniperus</i> -
+ <i>Geum urbanum</i> fl scattered	<i>Cypripedium</i> -
+ <i>Xanthium</i> fl scattered	<i>Rubus</i> common fl patches
<hr/> N.Y.R. than market	<i>Carex</i> -

also following:

<i>Clintonia</i> few	<i>Salvia</i> com.
<i>Bromus</i> clump fl	<i>Asplenium</i> few
<i>Betula</i> com.	<i>fern</i>
<i>Trollius</i> fl	<i>Isopyrum</i> few
<i>Fragaria</i> few	<i>Fine grass</i> fl
<i>Castilleja</i> common fl	(etc. see spec.)
<i>Polygonia</i> few	
<i>Galium</i> com. fl	
<i>Viola pedata</i> fl	
<i>Urtica</i> few	
<i>Primula</i> few	
<i>Vaccinium</i> (small) clump fl	
<i>Antennaria</i> ? " " fl	
<i>Osmunda</i> few	
<i>Osmunda cinnamomea</i> fl	

clumps	not many
+ <i>Talinum paniculatum</i> lf common	<i>Hordeum jubatum</i> fl
+ <i>Briza media</i> fl few	<i>Lobelia spicata</i> scattered
+ <i>Apocynum</i> (pink) fl few	<i>Lilium philadelphicum</i> scattered
<i>Chrysanthemum leucanthemum</i> com. soon white	<i>Anemone virginiana</i> fl scattered
+ <i>Phlox pilosa</i> fl few	<i>Prunus pensylvanica</i> fl
<i>Polygonatum</i> fl patches	<i>Vaccinium</i> (small) clump fl
<i>Athyrium angustum</i> scattered fl	<i>antennaria?</i> " " fl
+ <i>Oreasteria</i> red fl few	<i>Osmunda</i> few
<i>Mitchella repens</i> fl	<i>Osmunda cinnamomea</i> fl

(Chas.) McCord
American

Eliette
Minneapolis

J. A. Garrison
Road 2, Milford, Ja

Aboriginal people
with their
elders

25th June Lundby Hill
Ley & Morris

	check	
\$ 32.80		25.00
6.05		
\$ 26.75		
<u>25.00</u>		
1.75		2.25

Richard W. Wolgemuth
707 Tower Bed
Highway 49 & Madison St.
(Highway intersection)

